

**Claims**

1. Use of an isolated protein which can be obtained by extraction from the plant *Pilocarpus heterophyllus*, said protein being characterized in that it has a molecular mass of approximately 90.9 kDa and comprises fragments of peptide sequences SEQ.ID.NO.1, SEQ.ID.NO.2 and SEQ.ID.NO.3; said protein moreover being able to be presented in a glycosylated or non-glycosylated form, for preparing a medicament intended to treat cancers the growth of which is dependent on the growth factor GHRH.
- 5 2. Use according to claim 1, characterized in that the protein has been obtained from an extract from cells of the plant *Pilocarpus Heterophyllus* cultured *in vitro*.
- 10 3. Use according to claim 1 or 2, characterized in that the cancers the growth of which is dependent on the growth factor GHRH are chosen from small-cell lung cancer and breast cancer .
4. Use according to claim 3, characterized in that the cancer the growth of which is dependent on the growth factor GHRH is small-cell lung cancer.
- 15 5. Use according to claim 3, characterized in that the cancer the growth of which is dependent on the growth factor GHRH is breast cancer.